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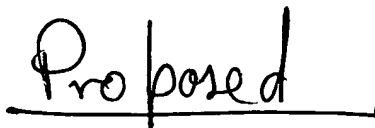
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TO:

Name: Primary Examiner Allan
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Fax No.: (703) 746-5744

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Subject: 10/054,245

FROM:

Name: Glenn Snyder

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Fax # Verified by:

 # Pages (incl. this): 6

Date: August 19, 2004

Message:

Examiner Hoosain: Attached is a proposed amendment for discussion purposes for the interview scheduled for tomorrow. I look forward to discussing the case with you at your office on August 20th at 2:00. If you have any questions, please feel free to call me.

Thank you,
Glenn Snyder
Reg. No. 41,428

Please deliver to Examiner Allan Hoosain in Art Unit 2645

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PROPOSED AMENDMENTS FOR 10/054,245 (FOR DISCUSSION PURPOSES)

1. (currently amended) An apparatus for decentralizing communication services in a telecommunications system, comprising:

a switch fabric which provides bearer functions;

a switch intelligence which provides control functions for said switch fabric, said switch intelligence logically separated from said switch fabric, the switch intelligence comprising a call segment service configured to maintain a call state and establish a call segment;

a switch fabric proxy service for providing a normalized interface between said switch fabric and said switch intelligence for communications involving said switch fabric and interfacing to said switch intelligence with a uniform application program interface, wherein the normalized interface comprises any one of a plurality of vendor-specific interfaces associated with the switch fabric and the uniform interface comprises a non-vendor specific interface associated with the switch intelligence; and

a feature processor, said feature processor executing at least one telecommunications function, for interacting with said switch intelligence to provide a telecommunications feature.

4. (currently amended) The system of claim 3, wherein said ~~switch intelligence further comprises~~ call segment service is further configured to:

instantiate at least one call segment instance ~~instantiated by a call segment instance service~~ using ~~a~~ the call model, said call segment instance representing the call logic and call data for ~~said~~ a party to a call, and

~~for interacting~~ interact with said feature processor, said connection manager service, and said facility instance.

9. (currently amended) An apparatus comprising:

a switch-fabric proxy service for providing a normalized interface between a switch fabric and a switch intelligence for communications involving said switch fabric by interfacing to said switch fabric with any one of a plurality of application programming interfaces and interfacing to said switch intelligence with a uniform application programming interface; and

switch intelligence configured to maintain a call state associated with a call received by the switch fabric.

11. (currently amended) An apparatus comprising:

a switch fabric; ~~and~~

a switch-fabric proxy service for providing a normalized interface between said switch fabric and a switch intelligence for communications involving said switch fabric; and

switch intelligence configured to maintain a call state associated with a call handled by the switch fabric, the call state being based on a call state model that is configured to be modifiable without modifying the switch fabric.

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22. (currently amended) An apparatus comprising:

a switch intelligence for providing control functions to at least one switch fabric, the switch intelligence comprising:

a call segment service configured to:

maintain a call state associated with completing a call, and

establish a call segment associated with completing the call; and

a switch-fabric proxy service for providing a normalized interface, between said switch intelligence and said at least one switch fabric, for communications involving said at least one switch fabric.

29. (currently amended) A switch-fabric proxy service comprising:

means for translating switch-fabric communications into switch-intelligence communications;

means for creating an editable call state machine;

means for creating call data instances in response to a request for service; and

means for translating switch-intelligence communications into switch-fabric communications.

32. (currently amended) An apparatus comprising:

a switch-fabric proxy service that is capable of at least one of translating switch-fabric communications into switch-intelligence communications, translating the switch-intelligence communications into the switch-fabric communications, translating the switch-fabric communications into communications defined according to a uniform

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switch-intelligence interface, and translating the communications defined according to a uniform switch-intelligence interface into the switch-fabric communications; and

a switch intelligence configured to establish and maintain a call state associated with completing a call.

40. (currently amended) An apparatus comprising:

a switch intelligence for controlling a switch fabric, said switch intelligence physically separate from the switch fabric and couplable to a feature processor that executes at least one telecommunications function, wherein said switch intelligence comprises:

a call segment function configured to establish a call segment associated with aspects of data processing required to complete a bearer request.

44. (currently amended) An apparatus comprising:

a feature processor for executing at least one telecommunications function; and an application programming interface communicating with said feature processor, wherein said application programming interface translates feature processor communications into at least one of communications defined according to a uniform interface and switch intelligence communications switch intelligence configured to process information comprising signaling data and call state data associated with a call requiring the at least one telecommunications function.

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45. (currently amended) An apparatus for coupling at least one switch fabric having a control interface to at least one switch intelligence for controlling the switch fabric, the switch intelligence being physically separated from the switch fabric, comprising:

logic for processing signaling data and call state data associated with a call received by the at least one switch fabric; and

a switch-fabric proxy service including a first interface communicable with the switch fabric, the first interface being compatible with the switch-fabric control interface, and a second interface communicable with the switch intelligence by which the switch intelligence controls the switch fabric.

47. (currently amended) An apparatus, comprising:

a call completion device for providing bearer functions, said call completion device performing communications with a switch intelligence that is separated from said call completion device, the call completion device being configured to communicate with the switch intelligence to affect a call state maintained by the switch intelligence.

48. (currently amended) The apparatus of claim 47, wherein the switch intelligence comprises a call state model, and wherein the call completion device communicates with the switch intelligence to affect a call state.

49. (previously presented) The apparatus of claim 48, wherein the call state is represented in the call state model.

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